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| **Identity card of the specialty:Academic master:**Probability and statistics |

**Level:**Master

**Domain:**Mathematics and Computer Science**Sector:**Math

**Speciality:**Probability and statistics

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| **1- Location of the training:** |

**Faculty (or Institute)**: Faculty of Exact Sciences

**Department**: Department of Mathematics and Computer Science

References of the authorization decree of the diploma to be prepared:Order n° 899 of 03/10/2015

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| **2- External partners:** |

**Companies and other socio-economic partners**:

**International partners**:

**Other partner establishments**:

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| **3- General organization of the training: position of the project** |

Mathematics and Computer Science

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| **4- Context of the training:** |

Hold an academic Mathematics license or equivalent title.

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| **5- Objectives of the training:** |

* See basic statistical methods so you can apply them in the field or take more advanced training.
* be introduced to statistical tools and methods at an intermediate or advanced level and useful in most disciplines.
* discover statistical methods specific to fields of application such as data mining.
* Acquisition of fundamental tools for the integration of different research teams within the framework of a doctoral thesis or a permanent researcher activity in Probability Calculation or Statistics.
* become familiar with the main statistical software in the discipline: R, SPSS, Matlab, etc.

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| **6- Profiles and skills targeted:** |

Students who successfully complete this Master's will have solid skills in probability and statistics in general. These profiles and skills will allow the winners to start a career as research teachers.

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| **7- Local, regional and national employability potential:** |

Preparation for the opening of a doctoral class LDM Statistics and Probabilities at the University of Béchar and The various research teams formed in the Doctoral Schools at other universities, in particular at Sidi Bel abbès, to absorb current candidates.

* Employability is essentially in research-training. Current business developments also offer some opportunities.